

METHOD AND CIRCUIT FOR ENERGIZING AND DE-ENERGIZING AN ELECTRIC ENERGY STORAGE DEVICE

Abstract: A method and circuit for energizing an electric energy storage device (10) to a high voltage with electric energy supplied by a high voltage electric power source (16) in a safe, effective and efficient manner by first moving electric charges supplied by a high voltage power source (16) to a capacitive device (20) and then subsequently transferring the electric charges stored in an energized capacitive device (20) to an electric energy storage device (10) for later use. A method and circuit for de-energizing an electric energy storage device (10) from a very high voltage in a safe, effective, and efficient manner by first moving electric charges supplied by the electric energy storage device to a capacitive device (20) and then subsequently de-energizing an energized capacitive device (20) through an electrical load device (18) so that useful work can be performed.